TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER SUPPLY

INTERIM ENHANCED SURFACE WATER TREATMENT RULE
FILTER PERFORMANCE REPORT (1)

PUBLIC WATER SYSTEM NAME AND ADDRESS

_____

_____

_____

PWSID # | **ENTRY POINT** | **SAMPLE PERIOD** START DATE (m m d d y y) | END DATE (m m d d y y) | **TOTAL HOURS PLANT OPERATED THIS MONTH** | **LABORATORY ID**

REPORTABLE SAMPLES (2) REQUIRED | TAKEN

NUMBER OF FINISHED WATER SAMPLES LESS THAN OR EQUAL TO 0.3 NTU (3)

PERCENT OF FINISHED WATER SAMPLES LESS THAN OR EQUAL TO 0.3 NTU

NUMBER OF FINISHED WATER SAMPLES EXCEEDING 1.0 NTU (4) (LIST DATES ON BACK)

HIGHEST FINISHED WATER TURBIDITY THIS MONTH

Notes:
(1) This form applies to filtration systems serving a population of 10,000 or more and utilizing either a surface water supply or a source that has been designated groundwater under the direct influence of surface water.
(2) Finished water turbidity must be measured and recorded every 4 hours that the plant is in operation. Systems which measure turbidity more than once during a 4 hour period, shall report the highest value measured. Systems utilizing continuous monitoring turbidimeters shall report the highest recorded value for every 4 hour period.
(3) If this system has been granted written approval to meet a value other than 0.3 NTU, use the approved value in lieu of 0.3 NTU.
(4) List on the back of the form the dates when a sample exceeded 1.0 NTU, and the date the state was notified of the exceedance.

Did this facility meet the CT requirements for each day it was in operation? **Y or N** ☐

A. FOR ALL FILTERS AT THIS FACILITY

	Y or N
1. Was turbidity monitored continuously and the results recorded for each filter effluent line?	☐
2. If the answer to question number 1 is no, was grab sampling conducted for every 4 hours the continuous monitor was out of service?	☐
3. If the answer to question number 2 is yes, was grab sampling conducted for more than 5 consecutive days on any individual filter?	☐

B. FOR ANY FILTER AT THIS FACILITY (5)

Were any 2 consecutive filter effluent measurements taken 15 minutes apart:

	Y or N	Filter Numbers (maximum of four filters)
1. Greater than 0.5 NTU after the first 4 hours of operation?	☐	☐☐ ☐☐ ☐☐ ☐☐
2. Greater than 1.0 NTU?	☐	☐☐ ☐☐ ☐☐ ☐☐
3. Greater than 1.0 NTU in each of 3 consecutive months?	☐	☐☐ ☐☐ ☐☐ ☐☐
4. Greater than 2.0 NTU in two consecutive months?	☐	☐☐ ☐☐ ☐☐ ☐☐

Note:
(5) If this facility answered "Yes" to any of the four questions listed in Section B. above, then the system must submit a "Monthly Turbidity Exceedance Report" (CN-1196) for the individual filter that met at least one of the conditions listed.

I CERTIFY THAT THE INFORMATION LISTED ON THIS FORM ACCURATELY CORRESPONDS TO THE OPERATION OF THIS FACILITY FOR THE REPORTING PERIOD SPECIFIED HEREIN.

PREPARED BY:_____ DATE:_____ PHONE: _(____)_____ APPROVED BY:_____ DATE:_____ PHONE: _(____)_____

(continued on reverse)

Date Finished Water Sample Exceeded 1.0 NTU	Date State Notified of Finished Water Sample Exceeding 1.0 NTU	Date Finished Water Sample Exceeded 1.0 NTU	Date State Notified of Finished Water Sample Exceeding 1.0 NTU

INSTRUCTIONS

FIELD NAME	DESCRIPTION
PWSID	Enter the seven-digit public water system identification number for your water system.
Entry Point	Enter the entry point code that has been assigned by the state for this source.
Sample Period Start Date	Enter the starting date of the sampling period. Enter as month-day-year. Example: July 1, 2001, would be entered as 070101
Sample Period End Date	Enter the ending date of the sampling period. Enter as month-day-year. Example: July 31, 2001, would be entered as 073101
Total Hours Plant Operated This Month	Enter the total number of hours the plant filtered water during the month reported.
Laboratory ID Number	Enter the five-digit laboratory ID number assigned to the lab that analyzed the turbidity samples.
Reportable Samples Required	Enter the number of reportable turbidity samples required to be taken during this sampling period.
Reportable Samples Taken	Enter the number of reportable turbidity samples taken during this sampling period.
Number of Samples Less Than or Equal to 0.3 NTU	Enter the number of reportable samples less than or equal to 0.3 NTU.
Percent of Samples Less Than or Equal to 0.3 NTU	Enter the percentage of reportable samples less than or equal to 0.3 NTU. Example: 200 reportable samples taken, 180 samples less than or equal to 0.3 NTU, calculate percentage by: 180/200 x 100% = 90.0 %.
Number of Samples Exceeding 1.0 NTU	Enter the number of samples exceeding 1.0 NTU.
Highest Finished Water Turbidity This Month	Enter the highest finished water turbidity value measured during this sampling period.
Did this facility meet the Contact Time (CT) requirements for each day it was in operation?	Enter "Y" for Yes or "N" for No.
For All Filters at This Facility	
Continuous Monitoring	Was the turbidity of all filters at this facility monitored continuously and the results recorded? Enter "Y" for Yes or "N" for No.
Grab Sampling	Was grab sampling conducted every 4 hours the continuous monitor was out of service? Enter "Y" for Yes or "N" for No.
Grab Sampling for Individual Filter	Was grab sampling performed for more than 5 consecutive days on any individual filter? Enter "Y" for Yes or "N" for No.
For Any Filter at This Facility, were any 2 consecutive turbidity measurements taken 15 minutes apart?	
Greater than 0.5 NTU after the first 4 hours of operation	Enter "Y" for Yes or "N" for No, and enter Filter numbers to the right.
Greater than 1.0 NTU after the first 4 hours of operation	Enter "Y" for Yes or "N" for No, and enter Filter numbers to the right.
Greater than 1.0 NTU in each of 3 consecutive months	Enter "Y" for Yes or "N" for No, and enter Filter numbers to the right.
Greater than 2.0 NTU in two consecutive months	Enter "Y" for Yes or "N" for No, and enter Filter numbers to the right.